

Title (en)

METHOD OF MANUFACTURING COMPONENT MEMBER IN VGS TYPE TURBO CHARGER, COMPONENT MEMBER MANUFACTURED BY THE METHOD, EXHAUST GUIDE ASSEMBLY OF VGS TYPE TURBO CHARGER USING THE COMPONENT MEMBER, AND VGS TYPE TURBO CHARGER INCORPORATING THE EXHAUST GUIDE ASSEMBLY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER KOMPONENTE IN EINEM TURBOLADER MIT VARIABLER GEOMETRIE; DURCH DAS VERFAHREN HERGESTELLTE KOMPONENTE; ABGASFÜHRUNGSANORDNUNG FÜR EINEN DIE KOMPONENTE VERWENDENDEN TURBOLADER MIT VARIABLER GEOMETRIE UND DIE ABGASFÜHRUNGSANORDNUNG ENTHALTENDER TURBOLADER MIT VARIABLER GEOMETRIE

Title (fr)

PROCEDE DE FABRICATION D'ELEMENT CONSTITUTIF DE TURBOCOMPRESSEUR DU TYPE VGS, ELEMENT CONSTITUTIF FABRIQUE SELON LEDIT PROCEDE, ENSEMBLE DE GUIDAGE DE GAZ D'ECHAPPEMENT DE TURBOCOMPRESSEUR DANS LEQUEL LEDIT ELEMENT CONSTITUTIF EST UTILISE, ET TURBOCOMPRESSEUR DU TYPE VGS EQUIPE DUDIT ENSEMBLE DE GUI

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Application

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Abstract (en)

[origin: EP1422384A1] A novel method of manufacturing a component member of a VGS turbocharger is provided, which method enables, when manufacture of the component member is performed mainly by press working using a die, the press working to be efficiently performed because of various engineering improvements applied thereto in accordance with working techniques and a formed shape. The invention is characterized in that: to form receiving holes (25) for rotatably holding adjustable blades in a turbine frame as an example of the component member, preparatory holes (25a) having a diameter equal to or smaller than that of the receiving holes (25) in a finished state are formed and then the receiving holes (25) are finished by pressing a steel ball (B) having a diameter approximately equal to that of the receiving holes (25) in the finished state into each of the preparatory holes (25a) to provide a desired accuracy in hole diameter and a desired surface roughness of inner surfaces thereof; and the steel ball (B) is integrally formed on an distal end of a punch portion (PU). <IMAGE>

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Citation (search report)

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